NITFS
Compliance Registration

Product: National System for Geospatial Intelligence (NSGI) Image Quality Simulator (NIQS), version 1.2

Sponsor: Lockheed Martin Corporation

Developer: Lockheed Martin Corporation

Date: 06 August 2004
Expiration: 05 August 2006
Registration #: 131

☑ Initial Registration
☐ Supplemental/Update #
☐ Derived from Reg. #

Complexity Level

NITF 2.1 CLEVEL		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:
- Sun Blade 2000, Solaris 2.8

☑ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

** NITF 2.0 feature
* NITF 2.1 feature

NITFS Features Implemented:

Format
NITF
○ ○ v2.1
◉ ● v2.0
○   v1.1
NSIF
○ ○ v1.0

Pixel Value Types
○ ○ Boolean
◉ ● Integer
○ ○ Signed Integer *
○ ○ IEEE Real *
○ ○ IEEE Complex *

Annotation Segment Types
○ ○ Bit Mapped **
○ ○ CGM, 2301
○ ○ CGM, 2301A
○ ○ Labels **

Text Segments
○ ○ STA
○ ○ UT1
○ ○ U8S
○ ○ MTF

Image Segment Types
◉ ● MONO
○ ○ RGB
○ ○ RGB/LUT
○ ○ YCbCr
○ ○ MULTI
○ ○ NODISPLY
○ ○ POLAR

Image Compression
◉ ● Not Compressed
○ ○ JPEG Lossy, 8-bit
◉ ● JPEG Lossy, 12-bit
○ ○ JPEG Downsample
◉ ● JPEG Lossless
○ ○ JPEG 2000
○ ○ Bi-Level
○ ○ Vector Quantization
○ ○ Multispectral JPEG, Individual Band

Data Extension Segments
○ ○ TRE_OVERFLOW
○ ○ STREAMING_FILE_HEADER
○ ○ Controlled Extensions **
○ ○ Registered Extensions **

Tagged Record Extensions
◉ ● ICHIPB
◉ ◉ IOMAPA
◉ ● NBLOCA
○   NSDE

Legend
Interpret
Generate
◉● Fully implemented
◉◉ Partially implemented
○○ Not implemented

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.